

AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A method of recording copy protection information on a recording medium, comprising:

recording encrypted data [[on]] in a main data area of the recording medium;
[[and]]

recording copy protection information required for decrypting the encrypted data in a first area and additionally in a second area other than the first area, wherein the second area is separated from the main data area; and

recording position information for indicating a position of at least the copy protection information in the second area.

2. (Cancelled)

3. (Previously Presented) The method set forth in claim 1, wherein the second area includes an area within a lead-in area and/or lead-out area defined in the recording medium.

4. (Previously Presented) The method set forth in claim 1, wherein the copy protection information in first area and/or second area is formed as wobble pattern.

5. (Previously Presented) The method set forth in claim 1, wherein control information about the recording medium is recorded in the lead-in area defined in the recording medium and the control information is duplicated in an area other than the first area.

6. (Cancelled)

7. (Currently Amended) A recording medium having a data structure for managing decryption and copy protection information by a recording apparatus, comprising:

a data area for storing encrypted data;

a first area for storing copy protection information for managing decryption of
~~required for decrypting~~ the encrypted data by the recording apparatus; [[and]]

at least one second area for storing a duplicate of the copy protection information; and

a third area for storing information associated with a position where the copy protection information is recorded, wherein the position information indicates at least a position of the duplicated copy protection information.

8. (Cancelled)

9. (Previously Presented) The recording medium set forth in claim 7, wherein the first and second areas include an area within a lead-in area and/or a lead-out area defined in the recording medium.

10. (Currently Amended) The recording medium set forth in claim 7, wherein copy protection information in first area and/or second area is formed as wobble ~~[[type]] pattern.~~

11. (Cancelled)

12. (Currently Amended) A method of reproducing data from a recording medium, comprising the steps of:

~~[[a)] driving the recording medium storing encrypted data;~~

~~[[b)] detecting copy protection information, which is required for decrypting~~
~~[[the]] encrypted data recorded in a main data area of the recording medium, recorded~~
~~repeatedly in a specific area of the recording medium or copied in a specific second~~
~~area from [[an]] a first area where original copy protection information is recorded; and~~

~~[[c)] performing a decryption of the encrypted data based on the detected copy protection information,~~

~~wherein at least the second area is separated from the main data area, and~~
~~the detecting step detects the copy protection information based on a position~~
~~information to indicate a position where the copy protection information is recorded.~~

13. (Cancelled)

14. (Previously Presented) The method set forth in claim 12, wherein the specific area includes an area within a lead-in area and/or lead-out area defined in the recording medium.

15. (Currently Amended) The method set forth in claim 12, wherein the copy

protection information is recorded differently depending on a manufacture of the recording medium, ~~wherein the step (b) detects the copy protection information based on a position information to indicate a position where the copy protection information is recorded.~~

16. (Currently Amended) The method set forth in claim 12, wherein the detecting step ~~[[b)]]~~ includes a step of detecting position information for at least one of the repeated copy protection information and reads at least one of the repeated copy protection information based on the position information.

17. (Currently Amended) The method set forth in claim 12, wherein the detecting step ~~[[b)]]~~ includes a step of detecting position information for at least one of the repeated copy protection information stored in a predetermined position in a recording/reproducing apparatus and reads the repeated copy protection information based on the position information.

18. (Currently Amended) The method set forth in claim 12, wherein the detecting step ~~[[b)]]~~ detects other one among the repeated copy protection information if an error occurs in the detection of the copy protection information.

19. (Previously Presented) The method set forth in claim 12, wherein the copy protection information is recorded in wobbled form, wherein the detecting step (b) detects the copy protection information formed in wobble pattern.

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

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34. (Cancelled)

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41. (Cancelled)

42. (Cancelled)

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44. (Cancelled)

45. (Cancelled)

46. (Cancelled)

47. (Cancelled)

48. (Cancelled)

49. (Cancelled)

50. (New) An apparatus for reproducing data from or recording data on a recording medium, comprising:

a pickup unit configured to read data from the recording medium;

a controller configured to control the pickup unit to detect copy protection information based on a position information to indicate a position where the copy protection information is recorded, the copy protection information being required for processing the copy-protected data and recorded in first area and in second area of the recording medium, the first area including original copy protection information and the second area including copied copy protection information; and

a processor configured to process the copy-protected data using detected copy protection information,

wherein the controller is configured to identify the position of the copy protection information from the position information present within a basic information unit required for controlling a recording or reproducing of the copy-protected data in the recording medium.

51. (New) The apparatus set forth in claim 50, wherein the controller is configured to control the pickup unit to detect the copy protection information from the first area.

52. (New) The apparatus set forth in claim 50, wherein the controller is configured to control the pickup unit to detect the copied copy protection information from the position information for indicating a position of the copied copy protection information.

53. (New) The apparatus set forth in claim 52, wherein the controller is configured to control the pickup unit to detect the copied copy protection information using the position information if the detection of the original copy protection information recorded in the first area fails.